

### **ABSTRACT**

A ball has a valve body defining an inner cavity and a fluid inlet and fluid outlet, a control ball element rotatably mounted in the inner cavity, and having a segment defining a ball face, and a flexible valve seat positioned in the valve body. The seat comprises a base  
5 portion, a cantilevered portion with a sealing face disposed toward the ball face, and a connecting portion between the base portion and the cantilevered portion that is lesser in width than are the base portion and the cantilevered portion.

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